

1 ABSTRACT OF THE DISCLOSURE

The present invention is directed to a device and method for removing build-up on such
5 measurement gauges. The inventive device and method involve a movable scraper that fits
around a cylindrical shield of a measurement gauge and continuously removes the build-up on
the shield. Movement of the scraper is accomplished by a magnetic coupling between a magnetic
core attached to the scraper, which is inside a pipe or other piece of equipment, and solenoids that
are installed on the outside of the pipe. The device and method of the invention ensure
instantaneously correct readings from the measurement gauge and improve control and operation
10 strategies of heat exchanges, with significant economic advantages.

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